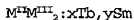


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ABSTRACT OF DISCLOSURE

10 A green light emitting from a terbium-samarium co-activated alkaline earth metal rare earth oxide phosphor which is composed of an oxygen atom and a composition of the formula:



15

[M^{II} is Mg, Ca, Sr or Ba; M^{III} is Y, La, Gd or Lu; 0<x≤0.1; and 0<y≤0.1] upon irradiating a radiation or ultraviolet rays can be favorably employed for measuring the radiation or ultraviolet rays. The green light, if desired,
20 in combination with a red light emitting the phosphor, is also employable for producing a radiation image.